CSCI 361: Reading Assignment # 5

Your Name: _____

Due: Tuesday, Oct 1, in class

Assigned reading for this lecture:
- Sipser Third Edition Chap 2.1 (Context-free Grammar)

Questions:

Consider the context-free grammar G_3 in Example 2.3 of the textbook and answer the following:

(a) Show the derivation of the string of the `aabaabbb` using the rules of the grammar.

(b) Can we design a DFA for the language identified by this grammar? Explain in one-or-two sentences.